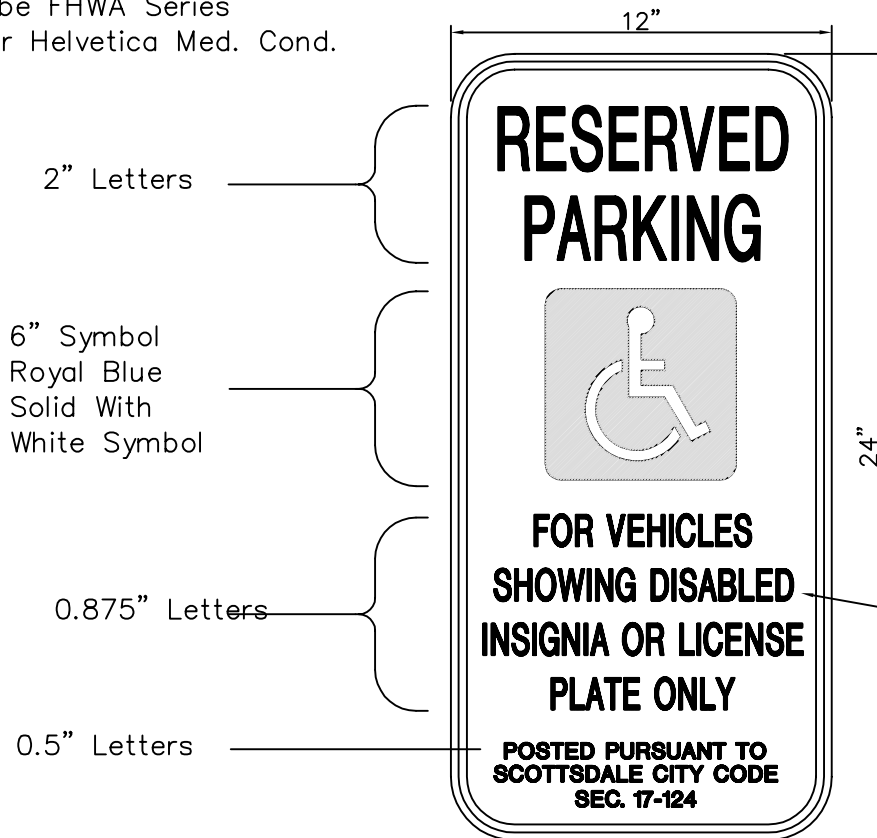


NOTE:

Lettering shall be FHWA Series
"B" alphabet, or Helvetica Med. Cond.



MOUNTING OPTIONS (SEE PLANS)

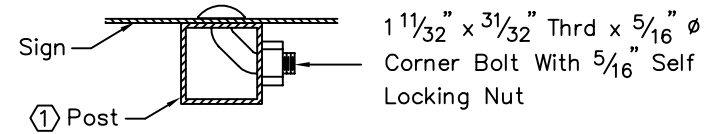
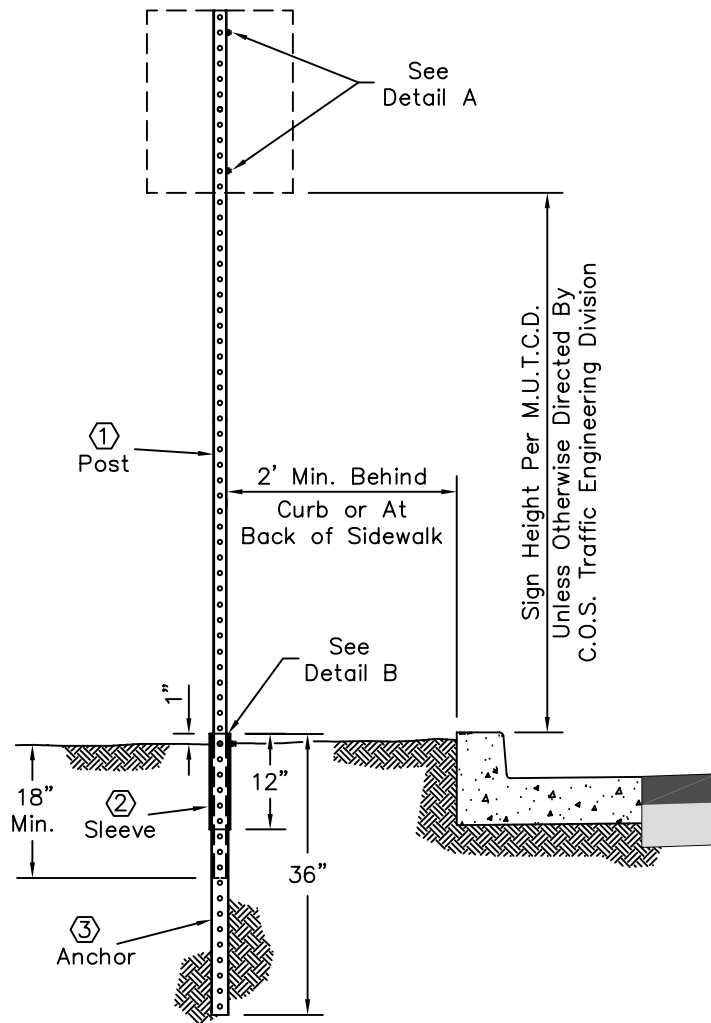
- A) Flexible P.E. Post With Surface Mount Base – Epoxy To Pavement Surface
- B) Perforated Galvanized Tubing Per COS Detail 2131. Install In Landscape Areas Only.
- C) Surface Mount To Structure
- D) Mount As Detailed On Plans

Green Borders and Text,
and Blue Symbol on White
Retroreflective Background (Typ.)
Background: Super
Engineer Grade Or
High Intensity Sheeting
Copy: Same As Above
Substrate: 0.080 Gauge
Treated Aluminum

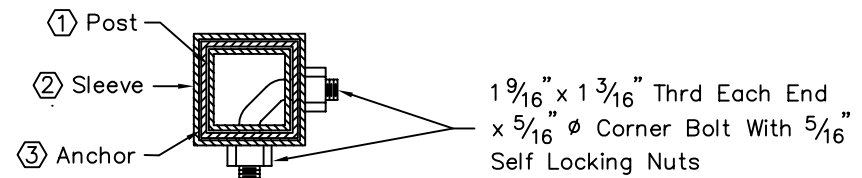
ACCESSIBLE SIGNAGE

One Sign At Each
Accessible Parking Stall

Bottom Of Sign Shall Be
Not Less Than 3 Feet
Nor More Than 6 Feet
Above Finish Surface



Detail A
Sign Mounting



Detail B
Anchor Assembly

Legend

- ① Post - $1\frac{3}{4}" \times 1\frac{3}{4}"$ Square Perforated 0.105" Galvanized Steel Tubing (Green Finish)
- ② Sleeve - $2\frac{1}{4}" \times 2\frac{1}{4}" \times 12"$, Square Perforated 0.105 Galvanized Steel Tubing (Green Finish)
- ③ Anchor - $2" \times 2" \times 36"$, Square Perforated 0.105" Galvanized Steel Tubing (Green Finish)

NOTE:

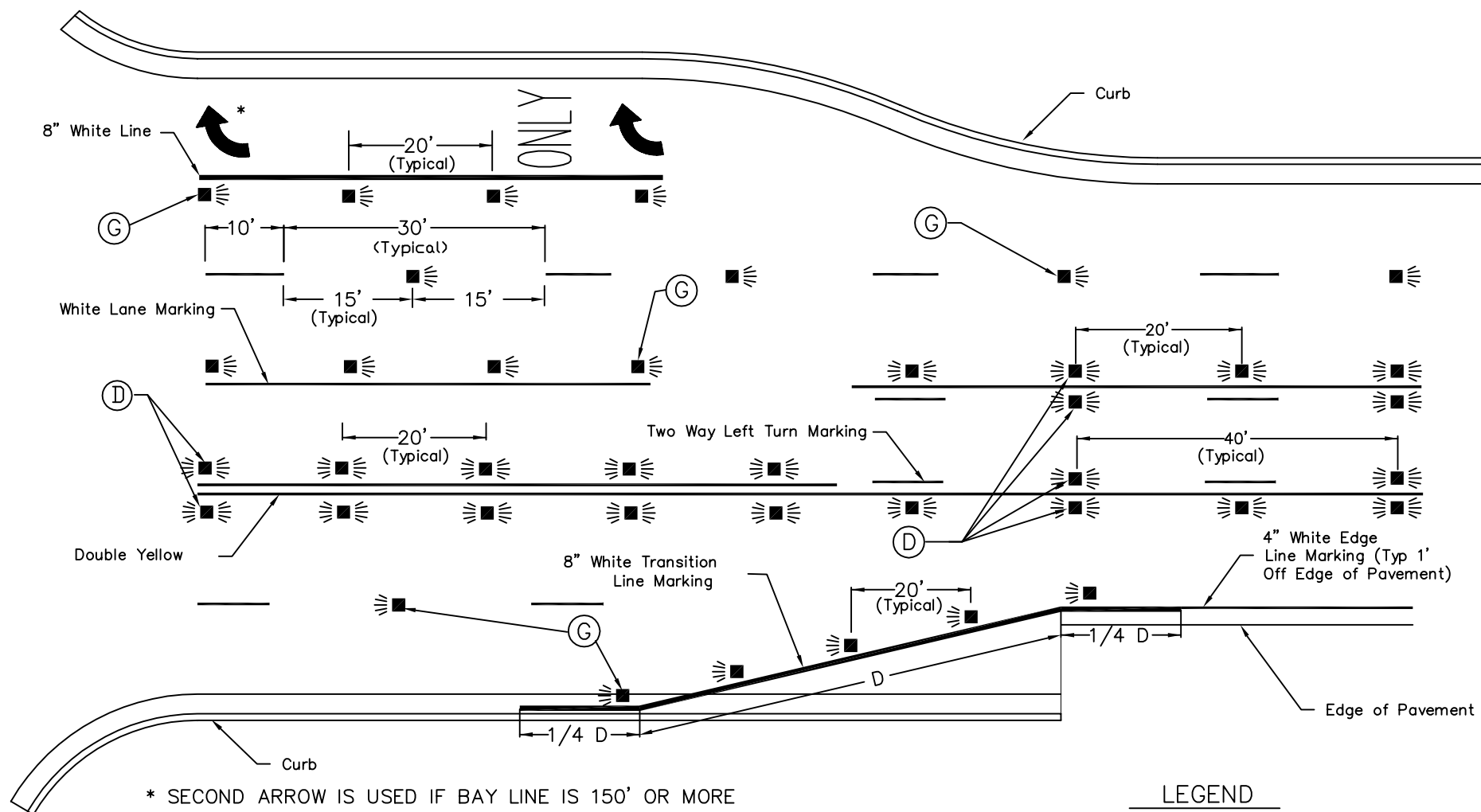
1. Sign Post, Sleeve And Anchor Per COS Supplemental Spec. Section 402.3

DETAIL NO. 2131 City of Scottsdale
Standard Details

APPROVED BY: _____

SIGN POST INSTALLATION

DETAIL NO. 2131



LEGEND

- ⊙ - TYPE "G" WHITE, ONE WAY REFLECTIVE
- ⊙ - TYPE "D" YELLOW, TWO WAY REFLECTIVE

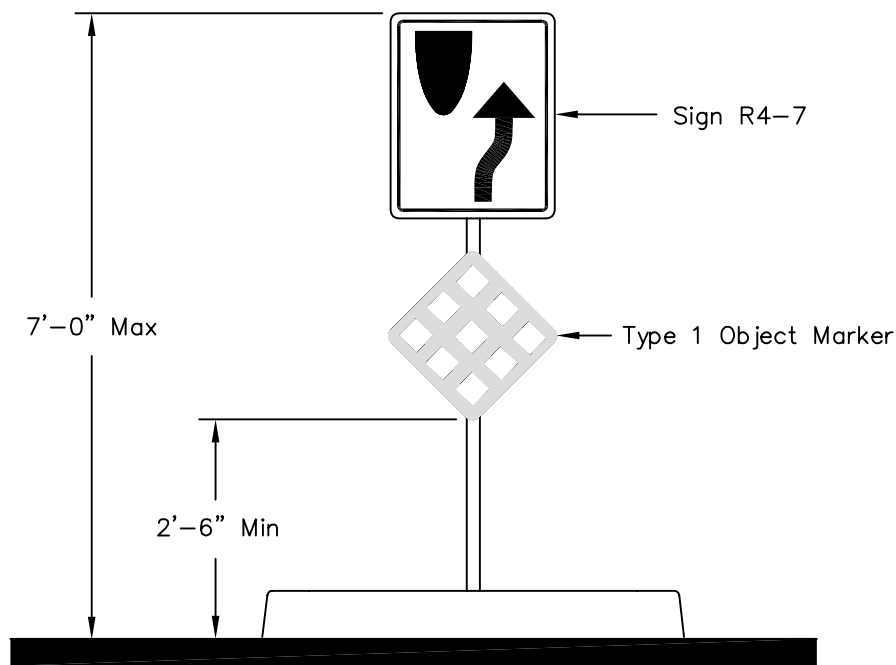
REFERENCE ADOT STD DRAWINGS 4-M-2.03 AND 4-M-2.04

SEE STANDARD DETAIL 2363 FOR FIRE HYDRANT MARKERS

DETAIL NO. 2132 City of Scottsdale
Standard Details

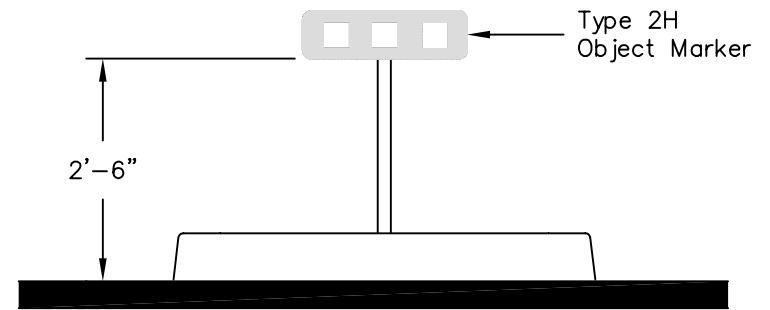
RAISED PAVEMENT MARKER LAYOUT

DETAIL NO. 2132



TYPE "A"

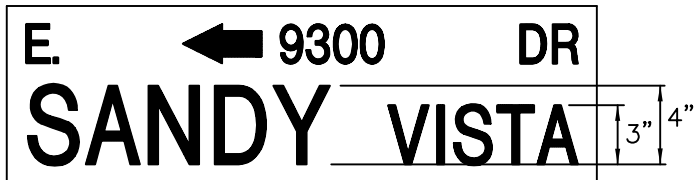
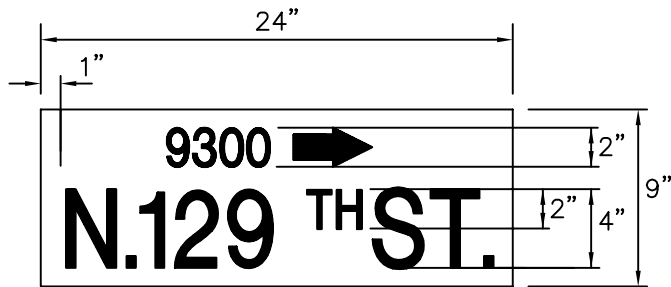
(AT SIGNALIZED INTERSECTIONS
OR AS SHOWN ON PLANS AND FIRST &
LAST NOSE ON A STRING OF MEDIANS)



TYPE "B"
(ALL OTHER MEDIANS)

NOTES:

1. See COS Std Det 2225 Or 2226
For Typical Location.
2. Sign Posts Per COS Std Det 2131.

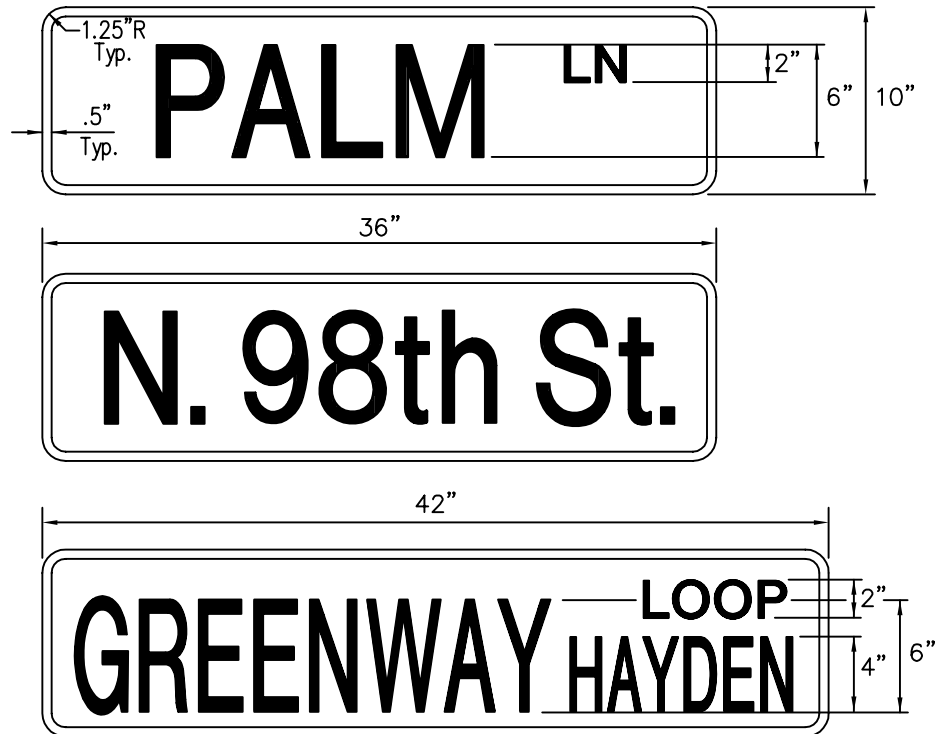


TYPE A SIGNS

Type IIA Super Engineering Grade
Green/White (2 Sides)

Blank Sizes: 9"x 24", 9"x 30",
9"x 36", 9"x 42"

Intended Usage: Type "A" Street Name Signs shall be used in residential areas where Residential Streets intersect with Local Collector Streets. See the COS General Plan for Street Designations.

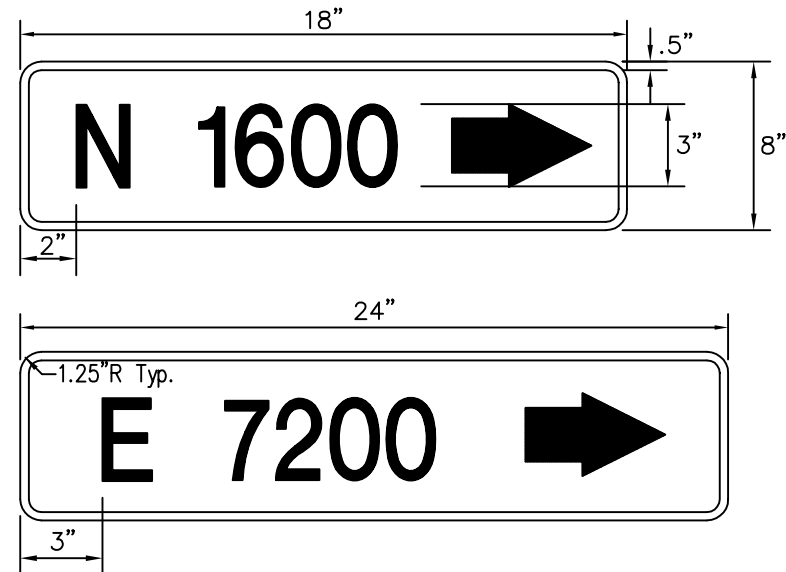


TYPE B SIGNS

Type III High Intensity Grade
Green/White (2 Sides)

Blank Sizes: 10"x 36", 10"x 42"

Intended Usage: Type "B" Street Name Signs shall be used where a Residential Street or a Local Collector Street intersects with a street with a classification of Major Collector or larger. See the COS General Plan for Street Designations.

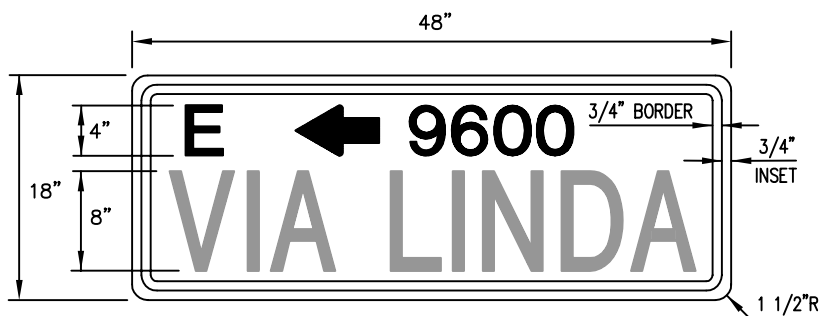
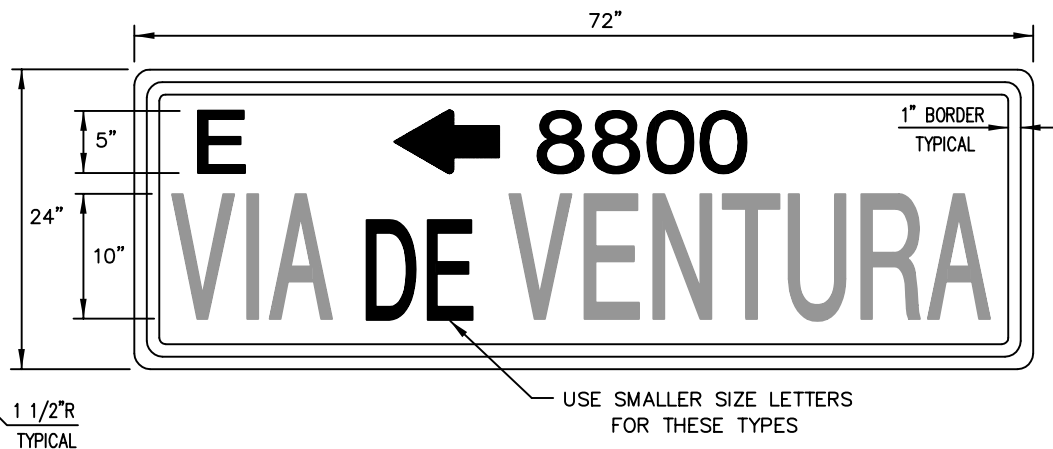
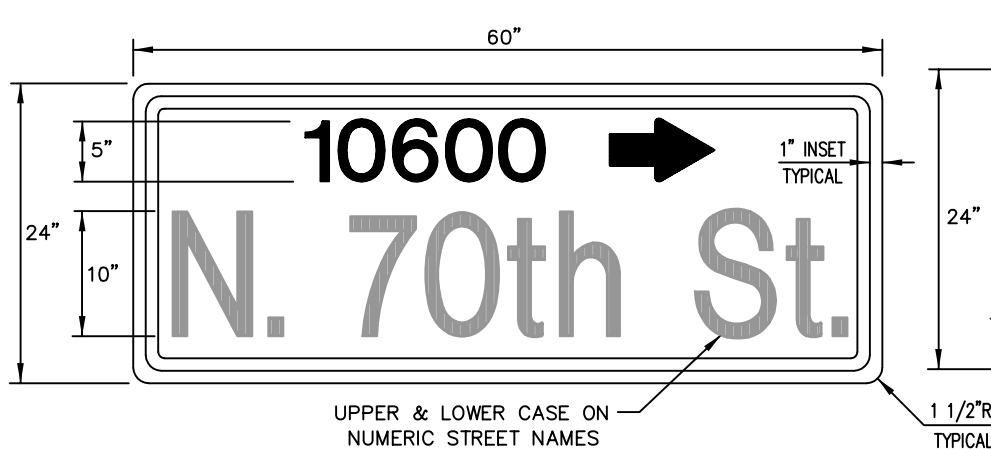


TYPE B BLOCK NUMBERS

Type III High Intensity Grade
Green/White (1 Side)

Blank Sizes: 8"x 18", 8"x 24"

Type "B" Block Numbers to be mounted with Type "B" Street Name Signs.



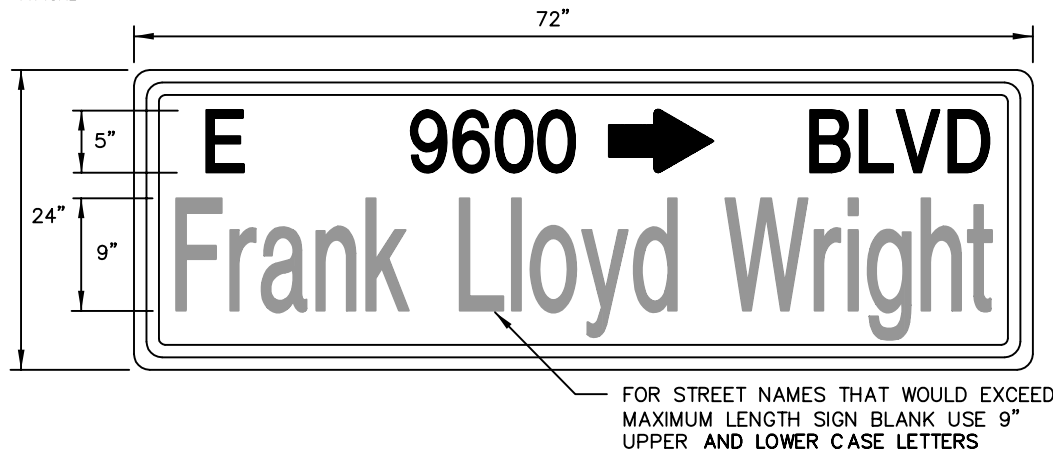
18" METRO SIGNS

Diamond Grade Intensity – Green/White (1 Side)

Typestyle = Highway Gothic, Modify C or D

Blank Sizes: 18"x 48", 18"x 60", 18" x 72"

Intended Usage: 18" Metro Street Name Signs shall be used on minor roads with a speed limit of 35MPH or lower. See the COS General Plan for Street Designations.



24" METRO SIGNS

Diamond Grade Intensity – Green/White (1 Side)

Typestyle = Highway Gothic, Modify C or D

Blank Sizes: 24"x 60", 24"x 72", 24" x 84"

Intended Usage: 24" Metro Street Name Signs shall be used on major roads with a speed limit of 35MPH or higher. See the COS General Plan for Street Designations.

DETAIL NO.

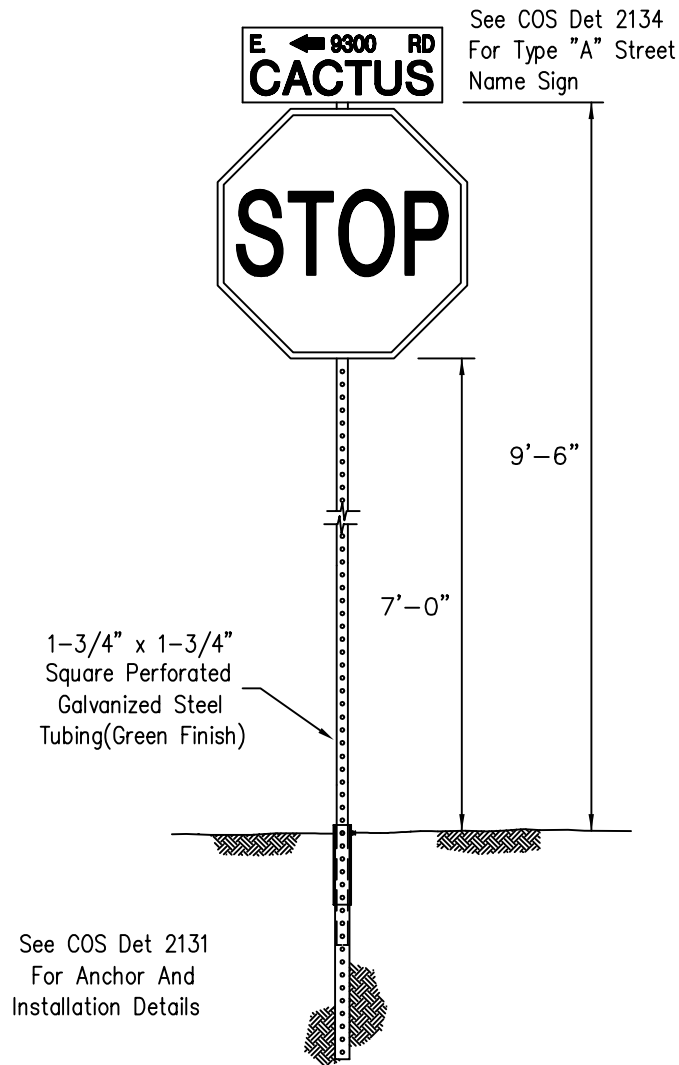
2134-3

City of Scottsdale
Standard Details

STREET NAME SIGNS - 18" AND 24" METRO

DETAIL NO.

2134-3



NOTES:

Street name sign and stop sign mounting height shall be measured from adjacent grade of sidewalk, top of curb or top of nearest pavement.

When no stop sign is required the street name sign is mounted at 9 feet 6 inches.

When two street name signs are mounted one on top of the other, the height is measured to the bottom sign.

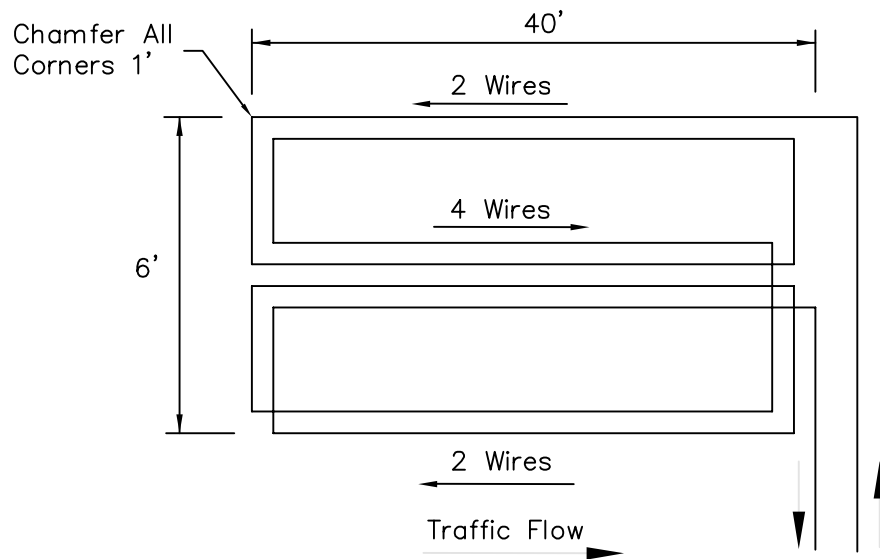
DETAIL NO.
2135

**City of Scottsdale
Standard Details**

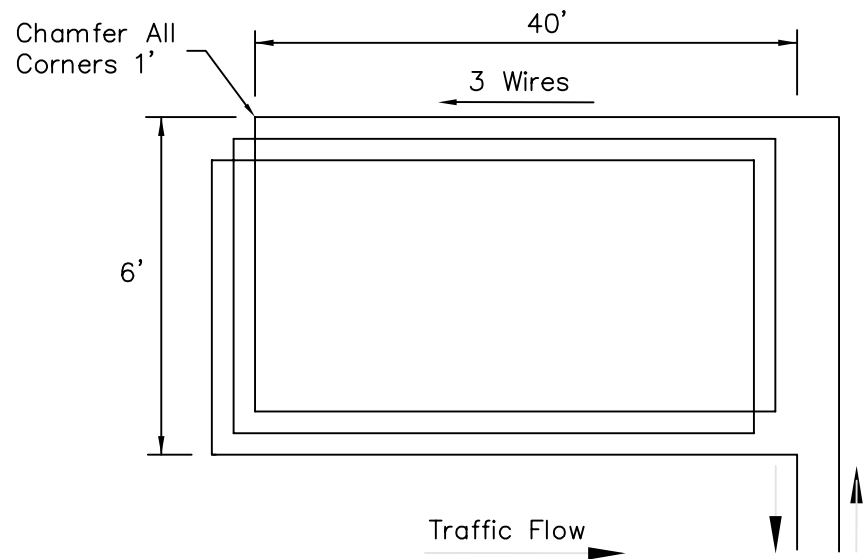
STREET NAME SIGN INSTALLATION

DETAIL NO.
2135

Intended Usage: To be used in advance of the specified street where an unsignalized collector street intersects a minor/major arterial or expressway. Location determined by multiplying the posted speed limit by 10. Sign is typically placed in a median when available, otherwise on the right hand side of the road.



**QUADRUPOLE LOOP DETECTOR
For Left Turn Lanes Only**



STANDARD LOOP DETECTOR

NOTES:

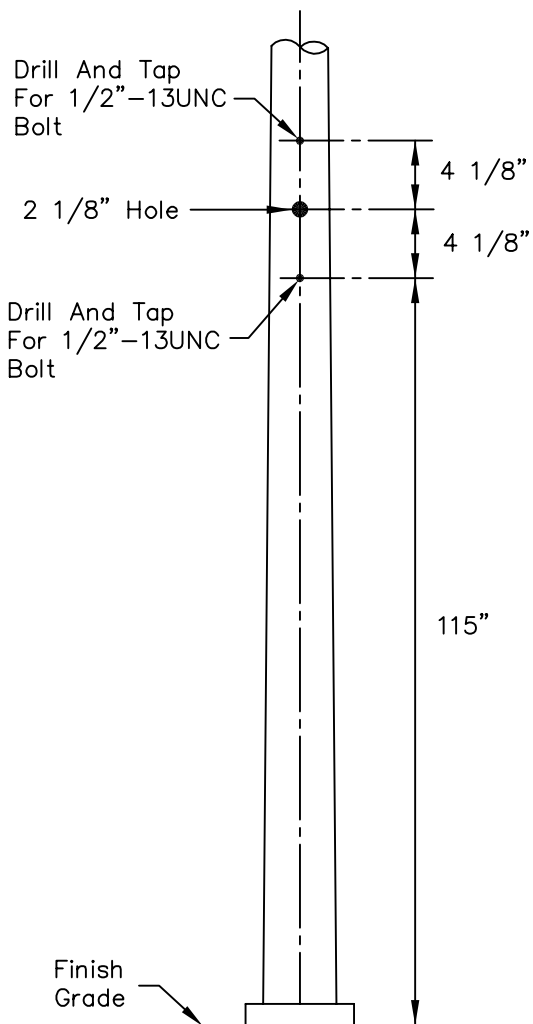
1. All loop detectors shall be wire-in-duct type wire. (Detect-a-Duct or approved equivalent, #14 stranded inside a 1/4" PVC tubing (IMSA 51-5).
2. All loop detectors shall be centered in the middle of the applicable traffic lane. Loop shall be sufficiently dimensioned on the plans. Loop detectors shall extend five feet into the crosswalk unless directed otherwise by the Traffic Engineering Department.
3. A rectangular loop with 3 turns (6 feet x 40 feet) shall be used for all through lanes.
4. A quadrupole loop with 2 outside turns and 4 inside turns (6 feet x 40 feet) shall be used in all exclusive left-turn lanes. (Wire in middle cut shall run the same direction).
5. Loop detectors shall not be installed in exclusive right turn lanes.
6. The location of permanent count detector loops shall be specified by the Traffic Engineering Department. Count detector loops shall consist of a minimum of 4 turns (6 feet x 6 feet).

7. Pre-formed loop detectors conforming to the latest ADOT specifications shall be used under decorative pavement, "pavers", concrete, or other "special" roadway surfaces, or as directed by the Traffic Engineering Department.
8. Lead-in cable between loop wire and controller shall be latest ADOT specification or approved equivalent (IMSA 50-2).
9. Loop lead-in and splices in pull box shall be twisted and soldered. Griggs Loop Detector Sealant, 3-M Loop Sealant, or approved equivalent shall be used.
10. Loops shall be installed prior to the installation of the final pavement lift (if part of a paving project).
11. Loops shall be inspected and tested prior to acceptance by the City.
12. See ADOT TS 7-1 for installation details.

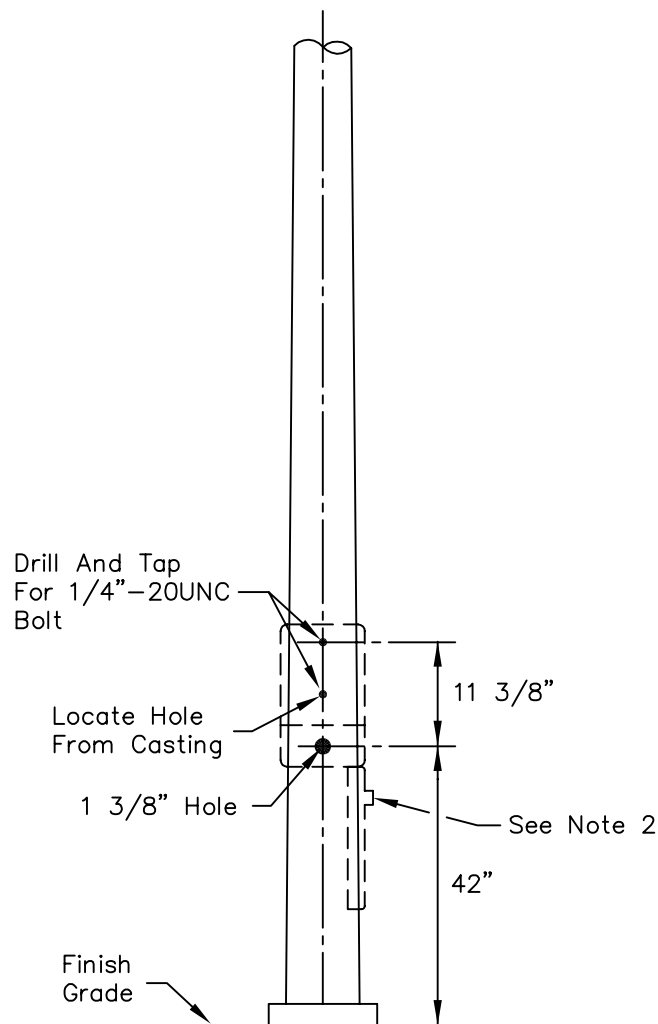
DETAIL NO. **2137** **City of Scottsdale
Standard Details**

LOOP DETECTORS

DETAIL NO. **2137**



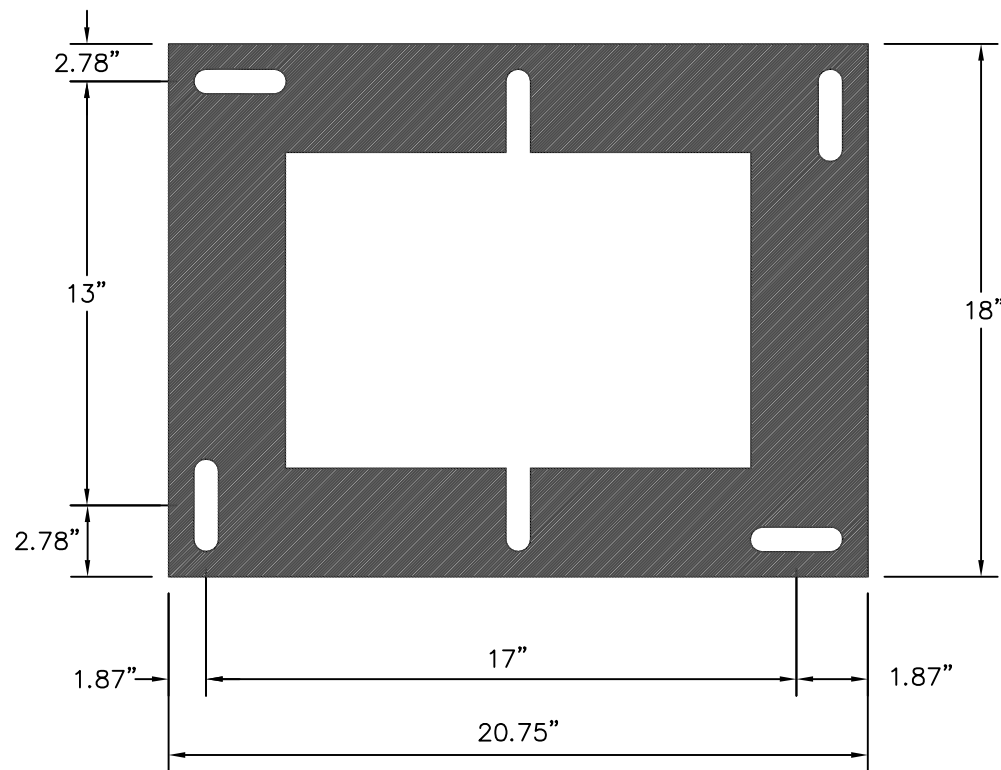
SIDE MOUNT DRILLING DETAIL



PUSH BUTTON DRILLING DETAIL

NOTES:

1. Drilling of pole to be oriented according to pole layout, or as directed by C.O.S. Engineer in the field.
2. When two pedestrian push button assemblies are mounted on a small diameter pole the lower assembly shall be positioned upside down so that the push button is at the top and the sign is below.
3. Top mounting holes to be field drilled in order to allow for manufacturing variations.
4. Push button shall be A.D.A large target style (ADOT Type I).



INSIDE VIEW OF BOTH
SIDES OF BASE EXTENDER

1. Model 330 cabinet base extenders will include cutouts that will accommodate replacement with all other Scottsdale 330 cabinets and model 336S. These base extenders are available from the cabinet manufacturer. All Scottsdale cabinets are foundation mounted.
2. Foundation must include a 4" x 24" x 24" concrete pad in front of the cabinet door.
3. The cabinet shall be mounted in such a way that when the technician has the door open and is facing the cabinet, he is also facing the intersection.
4. Cabinet base extender shall have a 12" x 12" removable access panel. Base extender shall be installed so that access panel is on door side of cabinet.

DETAIL NO.
2139

City of Scottsdale
Standard Details

TRAFFIC SIGNAL CONTROLLER CABINET BASE EXTENDER

DETAIL NO.
2139

LOOP AND PEDESTRIAN PUSH BUTTON INPUTS

Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Slot 9	Slot 10	Slot 11	Slot 12	Slot 13	Slot 14
1 AB Ph 1	3 AB Ph 2	5 AB Ph 3	7 AB Ph 4	9 AB Ph 5	11 AB Ph 6	13 AB Ph 7	15 AB Ph 8	17 AB 2 PPB	19 AB 4PPB	21 AB RRPre	23 AB AdvEn	25 AB EV A	27 AB Stop Time
2 AB Ph 1	4 AB Ph 2	6 AB Ph 3	8 AB Ph 4	10 AB Ph 5	12 AB Ph 6	14 AB Ph 7	16 AB Ph 8	18 AB 6 PPB	20 AB 8PPB	22AB Flash	24 AB Adv	26 AB EV B	28 AB 6 Call
Det Loops	Det Loops	Det Loops	Det Loops	Det Loops	Det Loops	Det Loops	Det Loops	Ped Push Buttons	Ped Push Buttons	-----	-----	Pre- Empt	Slot 14 ----- Slot 14

1. All Scottsdale model 330 cabinet input racks have 14 slots.
2. Slots 1–8 are for vehicle detector loops.
3. Phase 4 loops are terminated on slot 4 (7A&B and/or 8A&B).
4. Phase 4 pedestrian push button is terminated on 19A and ppb neutral on 19B.
5. 19B shall have a jumper to the neutral bar.
6. All two phase intersections are to be wired to phases 2 and 4.
7. Field output wiring for 2 phase signals shall be wired to 2R, 2Y, 2G and 4R, 4Y, 4G.
8. Ped field wiring shall be wired to 9R, 9G (Phase 2 Ped) and 10R, 10G (Phase 4 Ped).
9. Call COS Traffic Signals (480)312–5635 prior to wiring cabinet for instructions for intersections with more than 2 phases.

MAIN DIRECTIONS

Direction	Color
WB	Blue
EB	Green
NB	Red
SB	Yellow

**LEFT TURN DIRECTIONS
(Main Color + White)**

Direction	Color
WBLT	Blue + White
EBLT	Green + White
NBLT	Red + White
SBLT	Yellow + White

**RIGHT TURN DIRECTIONS
(Main Color + Black)**

Direction	Color
WBRT	Blue + Black
EBRT	Green + Black
NBRT	Red + Black
SBRT	Yellow + Black

**Color Of Wire For
Power/Neutrals/Pushbuttons**

Wire	Color
AC+ Power	Black
AC- (Neutral)	White
24V Pushbutton	Orange, Stranded

WBLT = West Bound Left Turn and shall be the phase for vehicles facing west and turning to south
 EBLT = East Bound Left Turn and shall be the phase for vehicles facing east and turning to north
 NBLT = North Bound Left Turn and shall be the phase for vehicles facing north and turning to west
 SBLT = South Bound Left Turn and shall be the phase for vehicles facing south and turning to east

WBRT = West Bound Right Turn and shall be the phase for vehicles facing west and turning to north
 EBRT = East Bound Right Turn and shall be the phase for vehicles facing east and turning to south
 NBRT = North Bound Right Turn and shall be the phase for vehicles facing north and turning to east
 SBRT = South Bound Right Turn and shall be the phase for vehicles facing south and turning to west

DETAIL NO.
2141

**City of Scottsdale
Standard Details**

TAPE COLOR CODES FOR TRAFFIC SIGNAL WIRING

DETAIL NO.
2141

1. 1/2" Expansion Joint, ASTM D-1751
Per MAG Section 729.

30' x 14' x 6" Thick
Concrete Approach Slab With
Thickened Edges, Class "B"
Concrete w/ 6"x 6", 1.4 x 1.4
WWF, On Compacted Subgrade.
Approach Slab Shall Have A
Constant Slope Which Matches
The Enclosure Slab.

30' x 14' x 6" Thick
Concrete Approach Slab With
Thickened Edges, Class "B" —
Concrete w/ 6" x 6", 1.4 x 1.4
WWF, On Compacted Subgrade.
Approach Slab Shall Have A
Constant Slope Which Matches
The Enclosure Slab.

* In locations where a 30' approach slab is not possible, approval from the City of Scottsdale Quality Compliance Division is required.

8" CMU Or Block Or Stucco
To Match Building

HEAD ON PICK-UP

Place 3-4" Dia. Steel
Poles 60" Above Grade
Cap Or Grout Full. Paint
To Match Wall Color.

Grout Cells Full

2-#4
Bars
Cont.

SECTION A-A

ANGLE PICK-UP

APPROACH SLAB THICKENED EDGE DETAIL

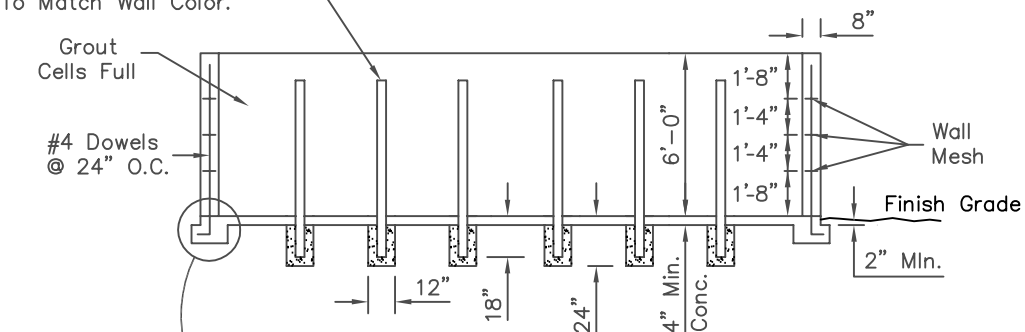
DETAIL NO. **2146-1** **City of Scottsdale**
Standard Details

REFUSE ENCLOSURE

DETAIL NO.
2146-1



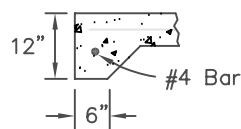
Place 6-4" Dia. Steel
Poles 60" Above Grade
Cap Or Grout Full. Paint
To Match Wall Color.



Class "B"
Concrete

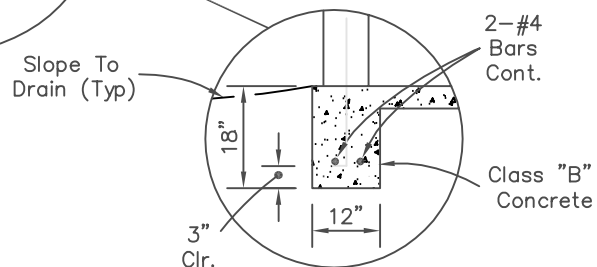
2-#4
Bars
Cont.

SECTION A-A



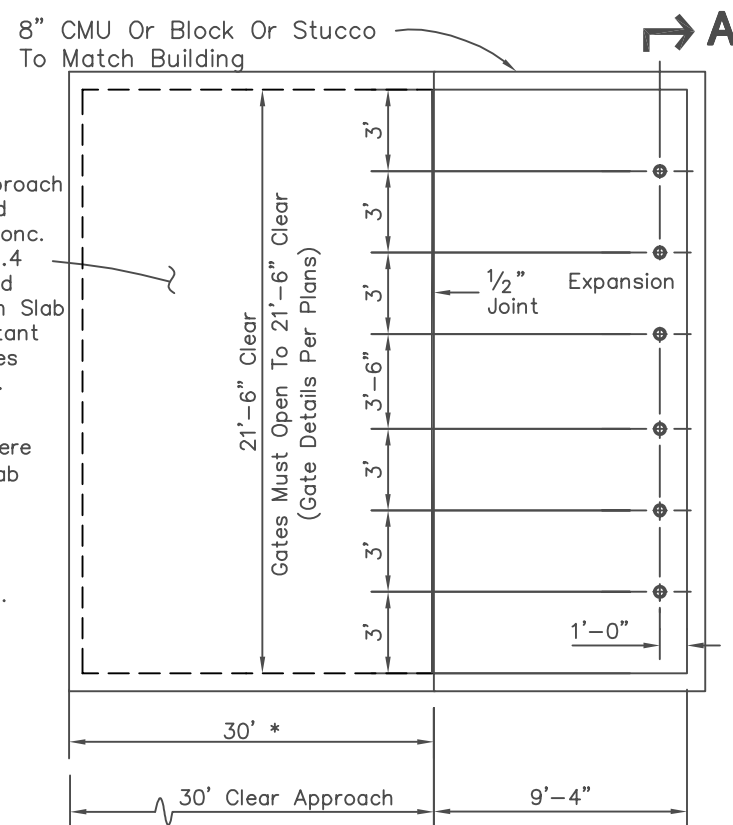
APPROACH SLAB
THICKENED EDGE DETAIL

OR
Alternate
Footing



30' x 23' x 6"
Thick Concrete Approach
Slab With Thickened
Edges, Class "B" Conc.
w/ 6"x 6", 1.4 x 1.4 —
WWF, On Compacted
Subgrade. Approach Slab
Shall Have A Constant
Slope Which Matches
The Enclosure Slab.

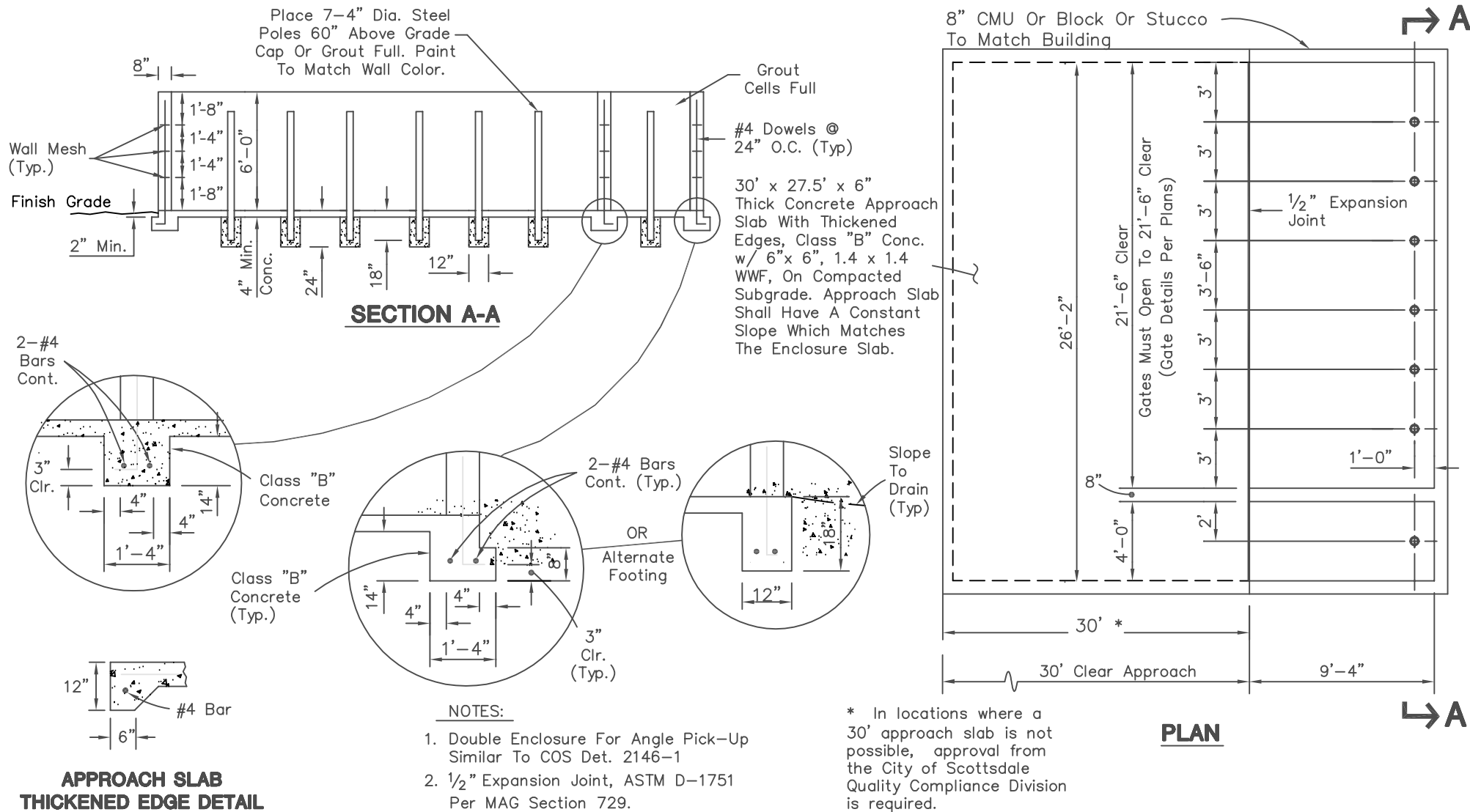
* In locations where a 30' approach slab is not possible, approval from the City of Scottsdale Quality Compliance Division is required.



PLAN

NOTE:

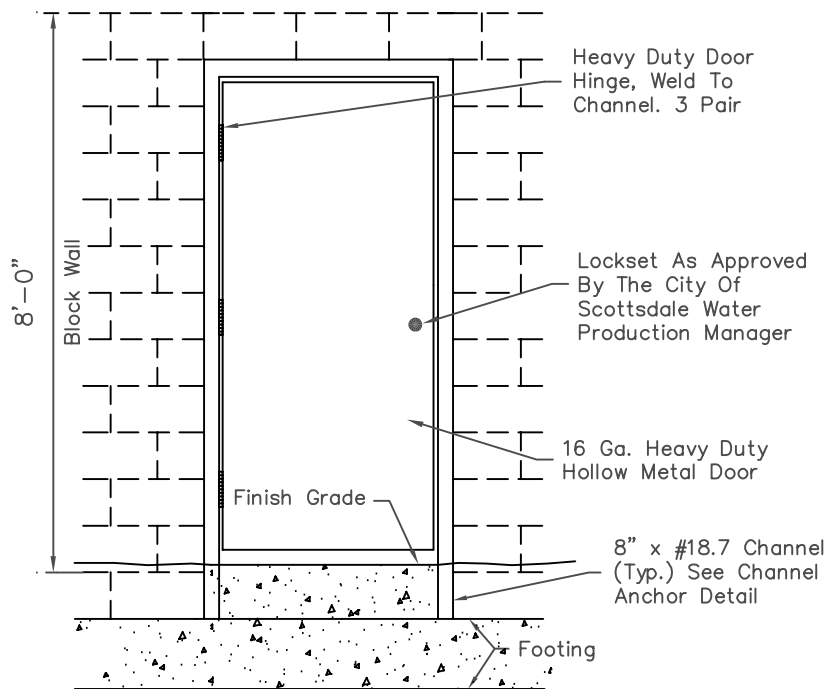
1. Double Enclosure For Angle Pick-Up
Similar To COS Det. 2146-1
2. 1/2" Expansion Joint, ASTM D-1751
Per MAG Section 729.



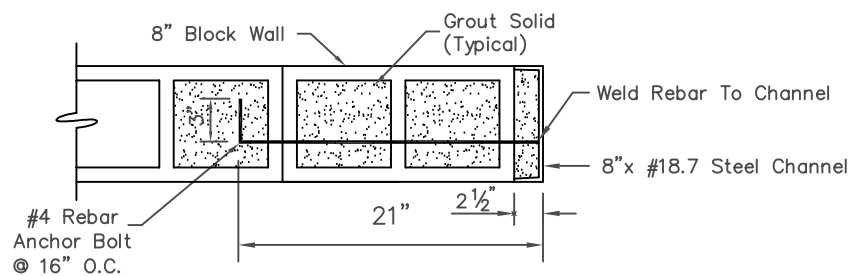
DETAIL NO. **2147-2** City of Scottsdale
Standard Details

DOUBLE REFUSE ENCLOSURE W/ GREASE CONTAINMENT AREA

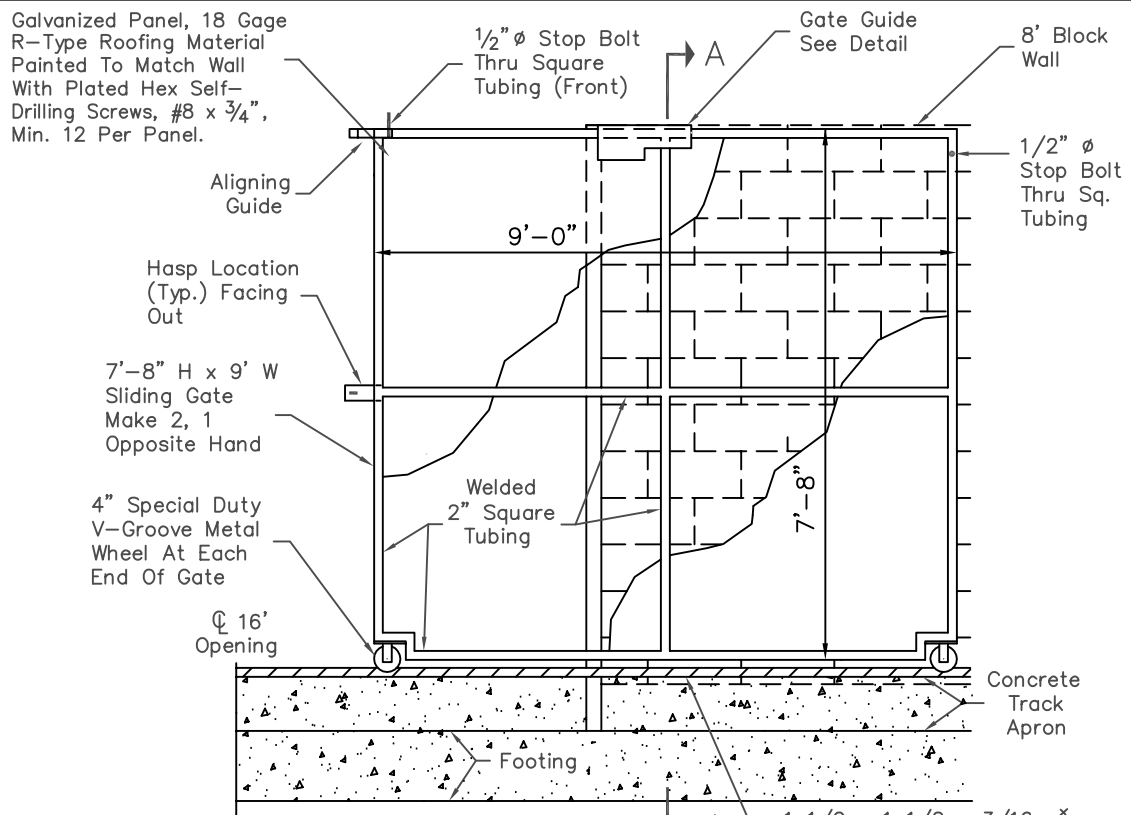
DETAIL NO. **2147-2**



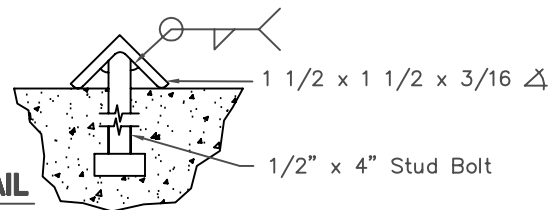
HINGED DOOR



CHANNEL ANCHOR DETAIL



ELEVATION

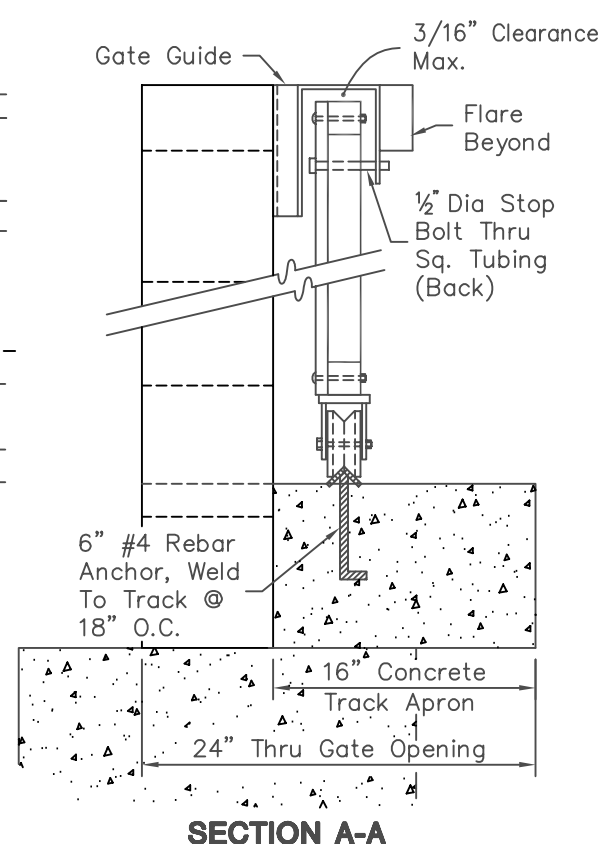
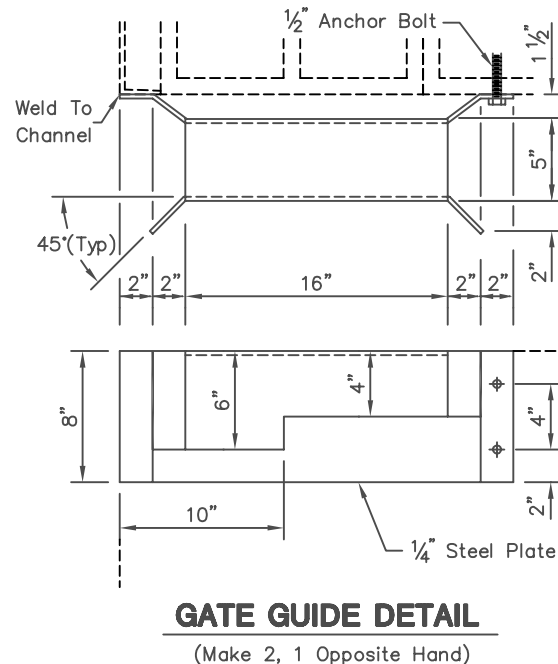
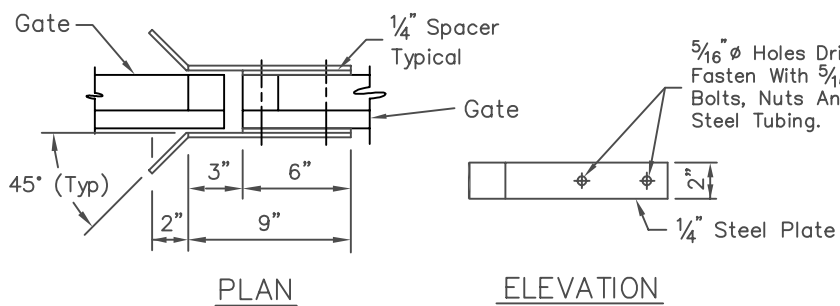
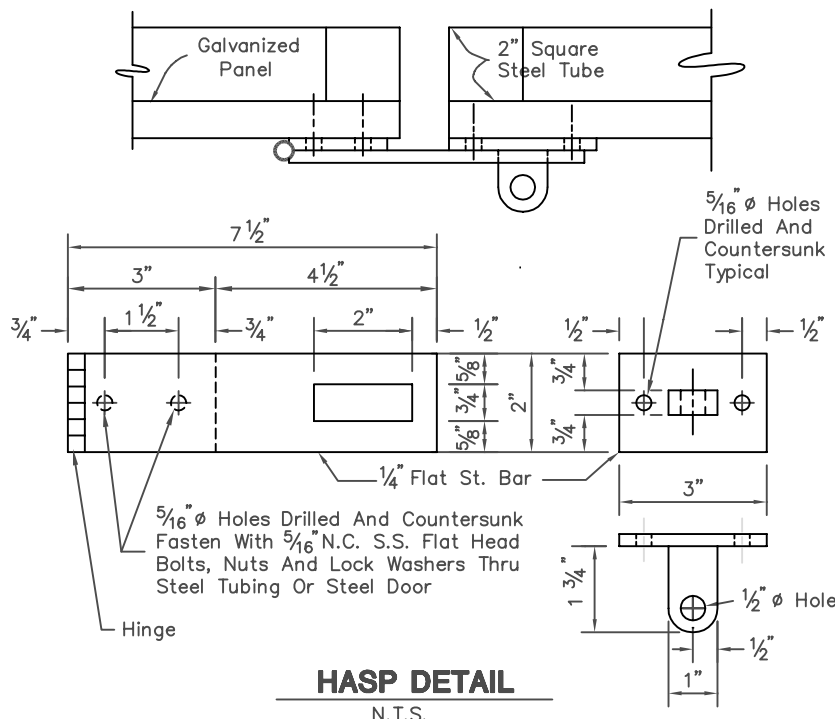


TRACK DETAIL

DETAIL NO. **2165-1** **City of Scottsdale**
Standard Details

16' SLIDING GATE & HINGED DOOR

DETAIL NO. **2165-1**



NOTES:

1. Contractor shall prime and paint all metal surfaces. Before application, the color and manufacturer of the paint shall be approved by the City.
2. Prior to painting, all surfaces shall be cleaned free of concrete, mortar, rust, dirt and any other objectionable materials.
3. Apply one (1) primer coat and two (2) exterior alkyd gloss enamel coats to metal.

DETAIL NO. 2165-2	City of Scottsdale Standard Details	APPROVED BY: _____	16' SLIDING GATE	DETAIL NO. 2165-2
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